# <u>Chapter 3 "Metals and Non-Metals" Multiple Choice</u> <u>Questions</u>

- 1. Which of the given properties is generally not shown by metals?
  - A. Electrical conduction
  - B. Sonorous in nature
  - C. Dullness
  - D. Ductility

### Answer: (C)

- 2. The ability of metals to be drawn into thin wire is known as
  - A. Ductility
  - B. Malleability
  - C. Sonorousity
  - D. Conductivity

### **Answer: (A)**

- 3. Aluminium is used for making cooking utensils. Which of the following properties of aluminium are responsible for the same?
  - (a) Good thermal conductivity
  - (b) Good electrical conductivity
  - (c) Ductility
  - (d) High melting point
  - A. (A) & (B)
  - B. (A) & (C)
  - C. (B) & (C)
  - D. (A) & (D)

### Answer: (D)

- 4. Which one of the given metals does not react with cold as well as hot water?
  - A. Na
  - B. Ca
  - C. Mg
  - D. Fe

### Answer: (D)

<b>5.</b>	Which of the given oxide(s) of iron would be obtained on prolonged
	reaction of iron with steam?
	A FoO

A. reu

B.  $Fe_2O_3$ 

C. Fe<sub>3</sub>O<sub>4</sub>

D.  $Fe_2O_3$  and  $Fe_3O_4$ 

### Answer: (C)

### 6. What happens when calcium is treated with water?

- (a) It does not react with water
- (b) It reacts violently with water
- (c) It reacts less violently with water
- (d) Bubbles of hydrogen gas formed stick to the surface of calcium

A. (A) & (D)

B. (B) & (C)

C. (A) & (B)

D. (C) & (D)

### Answer: (D)

7. Generally metals react with acids to give salt and hydrogen gas. Which of the given acids does not give hydrogen gas on reacting with metals (except Mn and Mg)?

A. H<sub>2</sub>SO<sub>4</sub>

B. HCl

C. HNO<sub>3</sub>

D. All the these

### **Answer: (C)**

8. The composition of aqua-regia is

A. Dil.HCl : Conc.  $HNO_3 = 3 : 1$ 

B. Conc.HCl : Dil.  $HNO_3 = 3 : 1$ 

C. Conc. HCl : Conc. HNO<sub>3</sub> = 3:1

D. Dil.HCl : Dil.  $HNO_3 = 3 : 1$ 

### **Answer: (A)**

# 9. Which of the following are not ionic compounds? (a) KCl (b) HCl (c) CCl<sub>4</sub> (d) NaCl A. (A) & (B) B. (B) & (C) C. (C) & (D) D. (A) & (C)

### **Answer: (B)**

- Which one of the given properties is not generally exhibited by **10.** ionic compounds?
  - A. Solubility in water
  - B. Electrical conductivity in solid state
  - C. High melting and boiling points
  - D. Electrical conductivity in molten state

### **Answer: (B)**

- Silver articles become black on prolonged exposure to air. This 11. is due to the formation of
  - $A. Ag_3N$
  - $B. Ag_2O$
  - $C. Ag_2S$
  - D. Ag<sub>2</sub>S and Ag<sub>3</sub>N

# Answer: (C)

- Galvanisation is a method of protecting iron from rusting by **12**. coating with a thin layer of
  - A. Gallium
  - B. Aluminium
  - C. Zinc
  - D. Silver

### Answer:(C)

- Stainless steel is very useful material for our life. In stainless **13**. steel, iron is mixed with
  - A. Ni and Cr
  - B. Cu and Cr

<b>G.</b> 117	i and Cu	
D. Ci	u and Au	
Answer: (C)		
A. Cı B. Cı	If copper is kept open in air, it slowly loses its shining brown face and gains a green coating. It is due to the formation of $uSO_4$ $uCO_3$ $u(NO_3)_2$ $uO$	
Answer: (B)		
15. met A. N. B. Fe C. Cr D. H	e r	
Answer: (D)		
(a) I (b) (c) I (c) I (d) (A.	Ca Fe	
Answer:	(D)	
A. Su B. O. C. Ni	Generally, non-metals are not lustrous. Which of the given metals is lustrous?  ulphur  xygen  itrogen  odine	

## Answer: (D)

18. A greenish coating develops on copper utensils due to formation of

A. CuCO<sub>3</sub>

B.  $Cu(OH)_2$ 

C.  $Cu(OH)_2$ .  $CuCO_3$ 

D. CuO

# Answer: (A)

### 19. An alloy is

A. An element

B. A compound

C. A homogeneous mixture

D. A heterogeneous mixture

### Answer: (C)

20. Alloys are homogeneous mixtures of a metal with a metal or nonmetal. Which among the given alloys contain non-metal as one of its constituents?

A. Brass

B. Bronze

C. Amalgam

D. Steel

# Answer: (D)

\*\*\*Thanks\*\*\*